

STIC-Biotech/ChemLib

116240

3/9

OS

From: Chernyshev, Olga  
Sent: Monday, March 08, 2004 1:16 PM  
To: STIC-Biotech/ChemLib  
Subject: sequence search request

CATE

US case 09/905,075. Interference search for SEQ ID NO: 2.  
Please print out a summary table of direct 100% hits.  
Thank you very much!

Olga N. Chernyshev  
AU1646  
REM 4E84  
20870  
mail box 4D70

Nails rapm, rapb

L-0353an

Searcher: Port  
Phone: \_\_\_\_\_  
Location: \_\_\_\_\_  
Date Picked Up: 3/9  
Date Completed: 3/10  
Searcher Prep/Review: 12  
Clerical: \_\_\_\_\_  
Online time: 12

TYPE OF SEARCH:  
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AA Sequences: \_\_\_\_\_  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

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STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: \_\_\_\_\_  
Sequence Sys.: OS  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_

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**Please print out a summary table of direct 100% hits.**  
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*AU1646*  
*REM 4E84*  
*20870*  
*mail box 4D70*

Searcher: \_\_\_\_\_  
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Location: \_\_\_\_\_  
Date Picked Up: \_\_\_\_\_  
Date Completed: \_\_\_\_\_  
Searcher Prep/Review: \_\_\_\_\_  
Clerical: \_\_\_\_\_  
Online time: \_\_\_\_\_

**TYPE OF SEARCH:**  
NA Sequences: \_\_\_\_\_  
AA Sequences: \_\_\_\_\_  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

**VENDOR/COST (where applic.)**  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: \_\_\_\_\_  
Sequence Sys.: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 9, 2004, 15:47:41 ; Search time 23 Seconds  
(without alignments)  
792.346 Million cell updates/sec

Title: US-09-905-075-2  
Perfect score: 2005  
Sequence: 1 MRLPRAALGLPLLLLP.....AEARETEGESPTQLPSREDL 353

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
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3: /cgn2\_6/protdata/2/iaa/6A COMB.pep.\*  
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5: /cgn2\_6/protdata/2/iaa/PCRUS COMB.pep.\*  
6: /cgn2\_6/protdata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

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2	2005	100.0	353	4	US-09-905-125A-2
3	2005	100.0	353	4	US-09-902-775A-2
4	971.5	48.5	420	4	US-09-907-794A-109
5	971.5	48.5	420	4	US-09-905-125A-109
6	971.5	48.5	420	4	US-09-902-775A-109
7	463.5	23.1	242	4	US-09-312-283C-393
8	256	12.8	77	4	US-09-621-976-4010
9	255.5	12.7	1253	3	US-08-479-722B-4
10	254.5	12.5	652	2	US-08-751-305-2
11	250	12.5	1833	3	US-08-479-722B-2
12	250	12.5	1833	5	PCT-US95-02251-18
13	246.5	12.3	1251	3	PCT-US95-02251-3
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15	246.5	12.3	1252	2	US-08-316-650-3
16	240.5	12.0	1394	6	5177197-30
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34	236	11.8	915	2	US-08-976-838-18
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36	236	11.8	915	4	US-09-214-555B-7
37	232	11.6	3623	4	US-09-341-461-2
38	230.5	11.5	288	2	US-08-525-940-15
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44	224	11.2	652	6	5258288-4
45	224	11.2	1219	3	US-08-882-046-5

ALIGNMENTS

RESULT 1  
US-09-907-794A-2  
; Sequence 2, Application US/09907794A  
; Patent No. 6635468

GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, A.  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth, J.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Mather, Jennie P.  
; APPLICANT: Pan, James  
; APPLICANT: Pao, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William, I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/907,794A  
CURRENT FILING DATE: 2001-07-17  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
PRIOR APPLICATION NUMBER: US 60/145,698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: PCT/US99/20594  
PRIOR FILING DATE: 1999-09-08  
PRIOR APPLICATION NUMBER: PCT/US99/20944  
PRIOR FILING DATE: 1999-09-13  
PRIOR APPLICATION NUMBER: PCT/US99/21090  
PRIOR FILING DATE: 1999-09-15  
PRIOR APPLICATION NUMBER: PCT/US99/21547

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; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 2
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-907-794A-2

Query Match      100.0%; Score 2005; DB 4; Length 353;
Best Local Similarity 100.0%; Pred. No. 2.6e-150;
Matches 353; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 BEKLSKYESSEIRLLEILGLCESSDFECNQMLEAQEHLAWLQKSEYDPLFEWFC 120
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QY 241 CSAAFCXNANGSYTCEECDSGCTGCGPCNCKECISGVAREHGQCADVDECSLAETK 300
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Db 301 CVRKNENYNTPGSVVCVCPDGFETEDACVPPAAEAATEGESPTQLPSRBDL 353
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## RESULT 2

US-09-905-125A-2

; Sequence 2, Application US/09905125A

; Patent No. 6664376

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

```
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905.125A
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
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; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 2
; LENGTH: 353
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-905-125A-2

Query Match      100.0%; Score 2005; DB 4; Length 353;
Best Local Similarity 100.0%; Pred. No. 2.6e-150;
Matches 353; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MRLPRAALGLPLLLPPAPEAAKKTPTCHRCGLVDKFNQGMVDTAKNFGGNTAW 60
QY 61 BEKLSKYESSEIRLLEILGLCESSDFECNQMLEAQEHLAWLQKSEYDPLFEWFC 120
Db 61 BEKLSKYESSEIRLLEILGLCESSDFECNQMLEAQEHLAWLQKSEYDPLFEWFC 120
QY 121 VKTLKVCSPGTGYDPLCLACQGGSORPCSGNGHCSGDSRQGGSCRCRCHMGYQGPLCTDC 180
Db 121 VKTLKVCSPGTGYDPLCLACQGGSORPCSGNGHCSGDSRQGGSCRCRCHMGYQGPLCTDC 180
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APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William, I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/907,794A  
CURRENT FILING DATE: 2001-07-17  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
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PRIOR FILING DATE: 1999-09-08  
PRIOR APPLICATION NUMBER: PCT/US99/20944  
PRIOR FILING DATE: 1999-09-13  
PRIOR APPLICATION NUMBER: PCT/US99/21090  
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PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/30095  
PRIOR FILING DATE: 1999-12-16  
PRIOR APPLICATION NUMBER: PCT/US99/30911  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US00/00219  
NUMBER OF SEQ ID NOS: 423  
SEQ ID NO 109  
LENGTH: 420  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-907-794A-109

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Best Local Similarity 48.2%; Pred. No. 7e-69;  
Matches 170; Conservative 48; Mismatches 116; Indels 19; Gaps 5;

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Db 192 CQCGGLGYFEARNASHLVCSACFGPCARCSPEENCLQCKGWAHLHLKVDIDEQGT 251  
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Sequence 109, Application US/09905125A  
Patent No. 6664376  
GENERAL INFORMATION:  
APPLICANT: Genentech, Inc.  
APPLICANT: Ashkenazi, Avi  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, A.  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth, J.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Mather, Jennie P.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William, I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: 10466-14  
CURRENT APPLICATION NUMBER: US/09/905,125A  
CURRENT FILING DATE: 2001-07-12  
PRIOR APPLICATION NUMBER: PCT/US00/04414  
PRIOR FILING DATE: 2000-02-22  
PRIOR APPLICATION NUMBER: US 60/143,048  
PRIOR FILING DATE: 1999-07-07  
PRIOR APPLICATION NUMBER: US 60/145,698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: US 60/146,222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: PCT/US99/20594  
PRIOR FILING DATE: 1999-09-08  
PRIOR APPLICATION NUMBER: PCT/US99/20944  
PRIOR FILING DATE: 1999-09-13  
PRIOR APPLICATION NUMBER: PCT/US99/21090  
PRIOR FILING DATE: 1999-09-15  
PRIOR APPLICATION NUMBER: PCT/US99/21547  
PRIOR FILING DATE: 1999-09-15  
PRIOR APPLICATION NUMBER: PCT/US99/23089  
PRIOR FILING DATE: 1999-10-05  
PRIOR APPLICATION NUMBER: PCT/US99/28214  
PRIOR FILING DATE: 1999-11-29  
PRIOR APPLICATION NUMBER: PCT/US99/28313  
PRIOR FILING DATE: 1999-11-30  
PRIOR APPLICATION NUMBER: PCT/US99/28564  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/28565  
PRIOR FILING DATE: 1999-12-02  
PRIOR APPLICATION NUMBER: PCT/US99/30095  
PRIOR FILING DATE: 1999-12-16  
PRIOR APPLICATION NUMBER: PCT/US99/30911  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US99/30999  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: PCT/US00/00219

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; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 109
; LENGTH: 420
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-905-125A-109

Query Match      48.5%; Score 971.5; DB 4; Length 420;
Best Local Similarity 48.2%; Pred. No. 7e-69;
Matches 170; Conservative 48; Mismatches 116; Indels 19; Gaps 5;

QY 7 AALGLLPLLLLP-----PAPEAA--KPTPCHRCRGLVDKFNQGMVDTAKNFGG 56
DB 12 AVLWGLSLFLNLPGLPWLQPSPPQSPPPQHPCHTCRGLVDSFNKGLERTIRDNFGG 71

QY 57 NTAMEEKTLSKYESSEIRLLEILEGLCESSDFECNQMLEAQEEHLEAWWLQKSEYDPLF 116
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DB 192 CGQCGLYFEARNASHLVCSACFGPCARCSGPESNCLQCKGWLHHLKCVDIDECGT 251

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QY 297 AEKTCVRKNENCYNTPGSYVCVCPDGPTEEDACVP---PAAE----EATEGE 342
DB 311 -TEVCPGENKQCENTEGGYRCICAGYKQMEGICVKEIPESAGFFSEMTED 362

RESULT 7
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; Sequence 109, Application US/09902775A
; Patent No. 686451
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Macher, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: ROY, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tunas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,775A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
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; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 109
; LENGTH: 420
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-902-775A-109

Query Match      48.5%; Score 971.5; DB 4; Length 420;
Best Local Similarity 48.2%; Pred. No. 7e-69;
Matches 170; Conservative 48; Mismatches 116; Indels 19; Gaps 5;

QY 7 AALGLLPLLLLP-----PAPEAA--KPTPCHRCRGLVDKFNQGMVDTAKNFGG 56
DB 12 AVLWGLSLFLNLPGLPWLQPSPPQSPPPQHPCHTCRGLVDSFNKGLERTIRDNFGG 71

QY 57 NTAMEEKTLSKYESSEIRLLEILEGLCESSDFECNQMLEAQEEHLEAWWLQKSEYDPLF 116
DB 72 NTAMEEENLSKYKDSETRLEVLGVCSKSDFECHRLLESEELVESWFFHKQOEAPDLF 131

QY 117 EWFVCVTKLVCCSPGTGPDCLACOGGSRPCSGNGHCSGDGSRQDGSRCRHMGYQG 176
DB 132 QWLCSDSLKCCPAGTFGSPCLPCGGTERPCGGYGQCEGSTRGSGHCDCCQAGYGGEA 191

QY 177 CTDCMDGVFSSLRNETHSICTACDESCKTCSGLTNRDCGECEVGMVLDEGACVDVDECAA 236
DB 192 CGQCGLYFEARNASHLVCSACFGPCARCSGPESNCLQCKGWLHHLKCVDIDECGT 251

QY 237 EPPPCSAAFCKNANGSYTCEECDSVCGGTGEGNCKECSIGYAREHGQCADVDECSL 296
DB 252 EGANGCADQFCVNTGEGSYECRDCAKACLGCMGAGPGRCCKCSPCYQQVGSKCLDVDECE- 310

QY 297 AEKTCVRKNENCYNTPGSYVCVCPDGPTEEDACVP---PAAE----EATEGE 342
DB 311 -TEVCPGENKQCENTEGGYRCICAGYKQMEGICVKEIPESAGFFSEMTED 362

RESULT 7
US-09-312-283C-393
; Sequence 393, Application US/09312283C
; Patent No. 6573095
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QY 257 -----EEDSSCV---GCTGEGNCK-ECISGY--ARHGQCADVDECSLAEK--- 299  
 Db 759 GRLSCIDVDEAGKVCQDGCINTTSGFCQCLSGYHLSDRSRCEIDEDCFPAACIG 818  
 QY 300 -TCVRKNEN-----CYNTPGSYVCVCPDGF 323  
 Db 819 GDCINTNGSYRCLPLGHLRVGRKCKDIDECSDPGLCLPHACENLQGSYVCVCDGFG 878  
 QY 324 EETED 328  
 Db 879 TLTDQ 883

## RESULT 10

US-08-751-305-2  
 ; Sequence 2, Application US/08751305  
 ; Patent No. 5965439  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tenner et al., Andrea J.  
 ; TITLE OF INVENTION: HOST DEFENSE ENHANCEMENT  
 ; NUMBER OF SEQUENCES: 33  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Fish & Richardson P.C.  
 ; STREET: 4225 Executive Square, Suite 1400  
 ; CITY: La Jolla  
 ; STATE: CA  
 ; COUNTRY: USA  
 ; ZIP: 92037  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/751,305  
 ; FILING DATE: 18-NOV-1996  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US PCT/US95/012001  
 ; FILING DATE: 31-678  
 ; REGISTRATION NUMBER: 07306/012001  
 ; REFERENCE/DOCKET NUMBER:  
 ; TELEPHONE: 619/678-5070  
 ; TELEFAX: 619/678-5099  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 652 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-751-305-2

Query Match 12.7%; Score 254.5; DB 2; Length 652;  
 Best Local Similarity 30.7%; Pred. No. 3.1e-12;  
 Matches 78; Conservative 27; Mismatches 88; Indels 61; Gaps 15;  
 QY 95 EAQEHLEAWLQKSEYPDLEFECVTKLVCCSPGYGPDCLACQGSQRPSCS-GNGH 153  
 Db 227 EGDKDETQSHYFLCKEAPDVFDM-----GSSGPLCVPKYG---CNFNNGG 270  
 QY 154 CSGDSRQDGS--CRCHMGYQGLCTDCMDGYFSSLRNETHSICTACDESCKTCSGLTN 211  
 Db 271 CHQDCFEGDGSFLCGCRPGFR--LLDDLVT---CASRNPCSSSPCRGGATCVLGFPHGN 325  
 QY 212 RDCGCEVGMWLDEGA--CVDVDECAAEPPPCSAQFCNANGSYTCECDSSC-VGCTG 268  
 Db 326 YTC-RCPQGYQLDSSQLDCVDVDEC--QDSPC--AQECVNTPGPERCE-----CWVGYEP 375  
 QY 269 EGPGNCKECISGYAREHGQCADVDECSLAEKTCVRKNENCYNTPGSYVCVCPDGFGE--- 324  
 Db 376 GPGF-----EGACQDVDECALGRSPCA---QCCTWIDSGFHCSEEGYVLAGE 420

QY 325 -----ETEDACVPP 333  
 Db 421 DGTQCQDVDECVGP 434

## RESULT 11

US-08-479-722B-2  
 ; Sequence 2, Application US/08479722B  
 ; Patent No. 6074840  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bonadio, Jeffrey  
 ; APPLICANT: Yin, Wushan  
 ; TITLE OF INVENTION: LATENT TGF( BINDING PROTEIN (LTBP)  
 ; TITLE OF INVENTION: GENES, COMPOSITIONS AND METHODS  
 ; NUMBER OF SEQUENCES: 13  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Williams, Morgan & Amerson  
 ; STREET: 7676 Hillmont, Suite 250  
 ; CITY: Houston  
 ; STATE: Texas  
 ; COUNTRY: USA  
 ; ZIP: 77040  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/479,722B  
 ; FILING DATE: 07-JUN-1995  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US PCT/US95/02251  
 ; FILING DATE: 21-FEB-1995  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/316,650  
 ; FILING DATE: 30-SEP-1994  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/199,780  
 ; FILING DATE: 18-FEB-1994  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Fussey, Shelley P.M.  
 ; REGISTRATION NUMBER: 39,458  
 ; REFERENCE/DOCKET NUMBER: 4100.000500/FUS  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (713) 934-7000  
 ; TELEFAX: (713) 934-7011  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1833 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-479-722B-2

Query Match 12.5%; Score 250; DB 3; Length 1833;  
 Best Local Similarity 24.8%; Pred. No. 2.2e-11;  
 Matches 82; Conservative 22; Mismatches 94; Indels 132; Gaps 16;  
 QY 128 CSPG-----TYGPDCLACQGSQRPSCGNHCHSGDSRQDGSRCRMGY-----QG 174  
 Db 883 CSPGQLHPSQDYCTDDNECM---RNPCEGRGRCV---NSVGSYCLCVPGYTLVLGDT 936  
 QY 175 PLCTD-----CMDGYFSSLRNETHSIC-----TACDESC 203  
 Db 937 QECQDICECEQFVCGSGRCNSNTEGSHCECDRGYIMVRKHGHCQDINSCRHPGTCPDGRC 996  
 QY 204 KTCGLTNRDGCECEVGMWLDEGACVDVDE-----CAAEP----- 238  
 Db 997 VNSPG--SYTCLACEGVVGSGSCVDVNECLTPGICITHGRCLINMEGSRFCSEPGYEVT 1054  
 QY 239 -----PPCSA-----AQFCNANGSYTCECDSC-----SCVG----- 265

Db 1055 PDKKGRDVBDCASRASCPTGLCLNTEGFTCSACQSGYWNEDGTACEDLDECAFPGVC 1114  
Qy 266 ----CTGE-GPGNCKECLISGYARE--HGQCADVDECSLAETKCVRKNNENYNTPGSYVCV 318  
Db 1115 PTGVCTNTVGSFSCDKDCDQGYRPNPLGNRCEDVDECEGPOSSC--RGGECKNTEGSYQCL 1172  
Qy 319 CPDGFEEET-----EDACVPPAE 335  
Db 1173 CHQGFQLVNGTMCEDVNECVGEHCAPHGE 1202

RESULT 12  
PCT-US95-02251-18  
; Sequence 18, Application PC/TUS9502251  
; GENERAL INFORMATION:  
; APPLICANT:  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STIMULATING BONE  
; TITLE OF INVENTION: CELLS  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: Texas  
; COUNTRY: United States of America  
; ZIP: 77210  
; COMPUTER READABLE FORM:  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII  
; SOFTWARE: PatentIn Release #1.0, Version  
; SOFTWARE: #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/02251  
; FILING DATE: CONCURRENTLY HERewith  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/316,650  
; FILING DATE: 30-SEP-1994  
; CLASSIFICATION:  
; APPLICATION NUMBER: US 08/199,780  
; FILING DATE: 18-FEB-1994  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Parker, David L.  
; REGISTRATION NUMBER: 32,165  
; REFERENCE/DOCKET NUMBER: UMIC009P--  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (512) 418-3000  
; TELEFAX: (713) 789-2679  
; TELEX: 79-0924  
; INFORMATION FOR SEQ ID NO: 18:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1833 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
PCT-US95-02251-18

Query Match 12.5%; Score 250; DB 5; Length 1833;  
Best Local Similarity 24.8%; Pred. No. 2.2e-11;  
Matches 82; Conservative 22; Mismatches 94; Indels 132; Gaps 16;  
Qy 128 CSPG-----TYGPDCLACQSGRQPCSGNGHSGDGSROGDSRCHEMGY-----QG 174  
Db 883 CSPGVQLHPSQDYCTDDNECM--RNPCGGRGV---NSVGSYCLCPGYTLVLTGDT 936  
Qy 175 PLCTD-----CMQGYFSSLNETHSIC-----TACDESC 203  
Db 937 QECODIDECEQGVCSGRCNTEGSHCECDRGVIMVRKKGHCODINECRHPGTCPDGRG 996  
Qy 204 KTCGSLNRCGCEGVGWLDEGACVDYE-----CAAP----- 238

Db 997 VNSPG--SYTLACEBGIYQSGSCVDVNECLTPGICTHGCINMEGSPRCCEPGYEVT 1054  
Qy 239 -----PPCSA-----AQFCKNANGSVTCECDs-----SCVG----- 265  
Db 1055 PDKKGRDVBDCASRASCPTGLCLNTEGFTCSACQSGYWNEDGTACEDLDECAFPGVC 1114  
Qy 266 ----CTGE-GPGNCKECLISGYARE--HGQCADVDECSLAETKCVRKNNENYNTPGSYVCV 318  
Db 1115 PTGVCTNTVGSFSCDKDCDQGYRPNPLGNRCEDVDECEGPOSSC--RGGECKNTEGSYQCL 1172  
Qy 319 CPDGFEEET-----EDACVPPAE 335  
Db 1173 CHQGFQLVNGTMCEDVNECVGEHCAPHGE 1202

RESULT 13  
PCT-US95-02251-3  
; Sequence 3, Application PC/TUS9502251  
; GENERAL INFORMATION:  
; APPLICANT:  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STIMULATING BONE  
; TITLE OF INVENTION: CELLS  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: Texas  
; COUNTRY: United States of America  
; ZIP: 77210  
; COMPUTER READABLE FORM:  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII  
; SOFTWARE: PatentIn Release #1.0, Version  
; SOFTWARE: #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/02251  
; FILING DATE: CONCURRENTLY HERewith  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/316,650  
; FILING DATE: 30-SEP-1994  
; CLASSIFICATION:  
; APPLICATION NUMBER: US 08/199,780  
; FILING DATE: 18-FEB-1994  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Parker, David L.  
; REGISTRATION NUMBER: 32,165  
; REFERENCE/DOCKET NUMBER: UMIC009P--  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (512) 418-3000  
; TELEFAX: (713) 789-2679  
; TELEX: 79-0924  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1251 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
PCT-US95-02251-3

Query Match 12.3%; Score 246.5; DB 5; Length 1251;  
Best Local Similarity 23.5%; Pred. No. 2.7e-11;  
Matches 100; Conservative 41; Mismatches 109; Indels 175; Gaps 25;  
Qy 20 PAPAANKPTPCRCRGLVDKNGQGMVDATAKKNFGGNTAWEKTLKYSSESLEIL 79  
Db 517 PYELISRPF-----PFFRFPDIPP-----SRSAVEIAPTQVTFDECLNQNI 563  
Qy 80 --RGLC--ESSDF--ECNQMLEAQEHLAWLQKXSEYDPLFEWFCVKTLKVCSPGY 133

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Db 564 CGHGQCVPGPSDYSCHNAGYRSHPOHR-----YCVDVNE--CEAEPC 604
QY 134 GPCLACQ--GGSORPCSGNGHCS-----GDGSRQ-----GDG-----164
Db 605 GPGKIGICMTTGGSY-----NCHNRYRLHVAGGRSCVDLNECAKPHLCGGGFCINFP 659
QY 165 ---SCRCHMGY---QGPLCTD-----CWDGYFSSLRNETHSI--CTACDESKTC 206
Db 660 GHYKNCYGYRLKASRPICEDIDECRDPSTCPDG--KCNKPGSFKICACQPGYRSQ 716
QY 207 SGLTNRDCEGEVGVWLDGACVDVDECAAEPPPCSAAPFCNKANGSYTC-----256
Db 717 GG-----GACRDVNEC--SEGTPCSPG--WCEKLPGYSYRCTCAQGIIRTR 757
QY 257 -----ERCDSSCV---GCTGEGGNCK--ECISGY--AREHQCQADVDECSLAEK---299
Db 758 GRLSCIDVDDCEAGKVCQDGICTNTPGSCFOCQLSGYHLSRDRSRCEIDECDFPAAICG 817
QY 300 -TCVRKNEN-----CYNTPGSYVVCVCPDGF 323
Db 818 GDCINTNGSYRCLPLGHLRVGGRKCKKIDECSDQDFGLCLPHACENLQSGYVVCVDEGF 877
QY 324 EETED 328
Db 878 TLTDQ 882
RESULT 14
US-08-199-780-3
; Sequence 3, Application US/08199780
; Patent No. 5763416
; GENERAL INFORMATION:
; APPLICANT: Bonadio, Jeffrey
; APPLICANT: Goldstein, Steven A.
; TITLE OF INVENTION: Gene Transfer Into Bone Cells
; TITLE OF INVENTION: And Tissues
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/199,780
; FILING DATE: 18-FEB-1994
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UMIC:002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 320-7200
; TELEFAX: (512) 474-7577
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1252 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-199-780-3
Query Match 12.3%; Score 246.5; DB 1; Length 1252;
Best Local Similarity 23.5%; Pred. No. 2.7e-11;
Matches 100; Conservative 41; Mismatches 109; Indels 175; Gaps 25;
QY 20 PAPEAAKPTPCRCRGLVDKFNQGMVDTAKNFNGGNTAWEEKTLKYSESSEIRLEILL 79
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Db 518 PYELLISRSP-----PTFHRFLDLP-----SRSAVEIAPTQVTTDECRNLQNI 564
QY 80 --BGLC--BSSDF--BCNOMLEAQEBHLEAWLQKSEYPDLEFWEFCVKTLKVCSSPGTY 133
Db 565 CGHGQCVPGPSDYSCHNAGYRSHPOHR-----YCVDVNE--CEAEPC 605
QY 134 GPCLACQ--GGSORPCSGNGHCS-----GDGSRQ-----GDG-----164
Db 606 GPGKIGICMTTGGSY-----NCHNRYRLHVAGGRSCVDLNECAKPHLCGGGFCINFP 660
QY 165 ---SCRCHMGY---QGPLCTD-----CWDGYFSSLRNETHSI--CTACDESKTC 206
Db 661 GHYKNCYGYRLKASRPICEDIDECRDPSTCPDG--KCNKPGSFKICACQPGYRSQ 717
QY 207 SGLTNRDCEGEVGVWLDGACVDVDECAAEPPPCSAAPFCNKANGSYTC-----256
Db 718 GG-----GACRDVNEC--SEGTPCSPG--WCEKLPGYSYRCTCAQGIIRTR 758
QY 257 -----ERCDSSCV---GCTGEGGNCK--ECISGY--AREHQCQADVDECSLAEK---299
Db 759 GRLSCIDVDDCEAGKVCQDGICTNTPGSCFOCQLSGYHLSRDRSRCEIDECDFPAAICG 818
QY 300 -TCVRKNEN-----CYNTPGSYVVCVCPDGF 323
Db 819 GDCINTNGSYRCLPLGHLRVGGRKCKKIDECSDQDFGLCLPHACENLQSGYVVCVDEGF 878
QY 324 EETED 328
Db 879 TLTDQ 883
RESULT 15
US-08-316-650-3
; Sequence 3, Application US/08316650
; Patent No. 5942496
; GENERAL INFORMATION:
; APPLICANT: Bonadio, Jeffrey
; APPLICANT: Roessler, Blake J.
; APPLICANT: Goldstein, Steven A.
; APPLICANT: Lin, Wushan
; TITLE OF INVENTION: METHODS AND COMPOSITIONS
; FOR STIMULATING BONE CELLS
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/316,650
; FILING DATE: 30-SEP-1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/199,780
; FILING DATE: 30-SEP-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UMIC:008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 418-3000
; TELEFAX: (713) 789-2679
; TELEX: 79-0924
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
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; LENGTH: 1252 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-316-650-3

Query Match      12.3%; Score 246.5; DB 2; Length 1252;
Best Local Similarity 23.5%; Pred. No. 2.7e-11;
Matches 100; Conservative 41; Mismatches 109; Indels 175; Gaps 25;

QY 20 PAPEAAKKTPTCHRCRGLVDKFNQGMVDTAKNFNGGNTAMBEKTLKYSESSEIRLLEIL 79
Db 518 PYPELISRSP-----PTFHRFLPDLPP-----SRSAVEIAPTQVTETDECRINQNI 564

QY 80 --EGLC--ESSDF--ECNQMLEAQEEHLEAWLQLKSEYPDLEFWFCVKTKLAVCCSPGTY 133
Db 565 CGHGQCVFPGPSDYSCHNAGYSHFQHR-----YCVDVNE--CBAEPC 605

QY 134 GPDCLACQ--GGSQRPCSGNGHCS-----GDGSRQ-----GDG----- 164
Db 606 GPGKGICMNTGGSY-----NHCNRYRLHVGAGGRSCVDLNECAKPHLCGDGDFCINFP 660

QY 165 ---SCRCHMGY-----QGPLCTD-----CMDGYFSSLNETHSI-CTACDESKTC 206
Db 661 GHYKNCYPGYRLKASRPPICEDIECRDPSTCPDG---KCNKPGSFKCIACQPGYRSQ 717

QY 207 SGLINRDGCEVEGVWLDGACVDVDECAAEPPPCSAQFCKNANGSYTC----- 256
Db 718 GG-----GACRDVNEC-SEGTPCSPG-WCEKLPGSYRCTCAQGIKTRT 758

QY 257 -----ECDDSCV-----GCTGEGPGNCK-ECISGY--AREHGQCADVDKCSLAEK-- 299
Db 759 GRLSCIDVDDCEAGKVCODGICTNTPGSGFQCCLSGYHLSDRSRCEIDIEDCPFAACIG 818

QY 300 -TCVRKEN-----CYNTPGSYVVCVCPDGF 323
Db 819 GDCINTNGSYRCLPLGHRVLGGRKCKDIDECSDQDGLCLPHACENLQGSYVVCVDEGF 878

QY 324 EETED 328
Db 879 TLTQD 883
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Search completed: March 9, 2004, 16:00:05  
Job time : 25 secs